

## PERCUTANEOUS TRANSTRACHEAL VENTILATION (NEEDLE CRICOTHYROIDOTOMY)

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or verbalizes Body Substance Isolation (prior to venipuncture)	1	
Hyperventilates patient if possible	1	
Locates cricothyroid membrane	1	
Properly cleanses the area	1	
Selects appropriate catheter	1	
Attaches syringe to catheter and assembles equipment	1	
Relocates cricothyroid membrane and punctures the skin with needle	1	
Advances needle into the trachea while aspirating with the syringe	1	
Advances catheter, removes needle	1	
Confirms placement of catheter	1	
Attaches appropriate oxygen delivery device	1	
Ventilates patient using 4:1 ratio with oxygen	1	
Secures catheter	1	
Assesses breath sounds often	1	
Disposes/ verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>15</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to identify proper landmarks
- \_\_\_\_\_ Contaminated equipment or site without appropriately correcting situation
- \_\_\_\_\_ Failure to apply oxygen
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to ventilate patient in a timely manner
- \_\_\_\_\_ Failure to dispose /verbalize disposal of needle in proper container

## PEDIATRIC THORACIC DECOMPRESSION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Verify absence of breath sounds	1	
Selects appropriate catheter	1	
Assembles equipment	1	
Attaches syringe to catheter	1	
Cleanses chest wall in preparation for puncture	1	
Locates appropriate landmarks	1	
Inserts catheter into chest at appropriate site and at proper angle	2	
Advance catheter and remove needle	2	
Attach flutter valve	1	
Secures catheter	1	

## PEDIATRIC THORACIC DECOMPRESSION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Disposes / verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>14</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to dispose/verbalize disposal of needle in proper container

## PEDIATRIC THORACIC DECOMPRESSION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Verify absence of breath sounds	1	
Selects appropriate catheter	1	
Assembles equipment	1	
Attaches syringe to catheter	1	
Cleanses chest wall in preparation for puncture	1	
Locates appropriate landmarks	1	
Inserts catheter into chest at appropriate site and at proper angle	2	
Advance catheter and remove needle	2	
Attach flutter valve	1	
Secures catheter	1	

## PEDIATRIC THORACIC DECOMPRESSION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Disposes / verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>14</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to dispose/verbalize disposal of needle in proper container

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

### PEDIATRIC SCALP CANNULATION

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Checks IV fluid for: Proper fluid Clarity	2	
Selects appropriate catheter	1	
Assembles proper administration set using buretrol	1	
Connects IV tubing to IV bag and fills buretrol chamber	2	
Cuts or tears tape (any time prior to venipuncture)	1	
Applies tourniquet	1	
Palpates suitable vein	1	
Cleanses area properly	1	
Performs Venipuncture Inserts stylette Notes or verbalizes blood return Occludes vein proximal to catheter Removes stylette Connects IV tubing to catheter	5	
Releases tourniquet	1	
Runs IV for brief period to assure patent line	1	
Adjusts flow rate appropriately	1	
Secures catheter and tubing	1	
Disposes / verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>21</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Any improper technique resulting in potential for catheter shear or air embolism
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to dispose/verbalize disposal of needle in proper container

## PEDIATRIC PERCUTANEOUS TRANSTRACHEAL VENTILATION (NEEDLE CRICOTHYROIDOTOMY)

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or verbalizes Body Substance Isolation (prior to venipuncture)	1	
Hyperventilates patient if possible	1	
Locates cricothyroid membrane	1	
Properly cleanses the area	1	
Selects appropriate catheter	1	
Attaches syringe to catheter and assembles equipment	1	
Relocates cricothyroid membrane and punctures the skin with needle	1	
Advances needle into the trachea while aspirating with the syringe	1	
Advances catheter, removes needle	1	
Confirms placement of catheter	1	
Attaches appropriate oxygen delivery device	1	
Ventilates patient using 4:1 ratio with oxygen	1	
Secures catheter	1	
Assesses breath sounds often	1	
Disposes/ verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>15</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to identify proper landmarks
- \_\_\_\_\_ Contaminated equipment or site without appropriately correcting situation
- \_\_\_\_\_ Failure to apply oxygen
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to ventilate patient in a timely manner
- \_\_\_\_\_ Failure to dispose /verbalize disposal of needle in proper container

## PEDIATRIC PERIPHERAL CANNULATION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Checks IV fluid for: Proper fluid Clarity	2	
Selects appropriate catheter	1	
Assembles proper administration set using buretrol	1	
Connects IV tubing to IV bag and fills buretrol chamber	2	
Cuts or tears tape (any time prior to venipuncture)	1	
Applies tourniquet	1	
Palpates suitable vein	1	
Cleanses area properly	1	
Performs Venipuncture Inserts stylette Notes or verbalizes blood return Occludes vein proximal to catheter Removes stylette Connects IV tubing to catheter	5	
Releases tourniquet	1	
Runs IV for brief period to assure patent line	1	
Adjusts flow rate appropriately	1	
Secures catheter and tubing	1	
Disposes / verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>21</b>	

**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Any improper technique resulting in potential for catheter shear or air embolism
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to dispose/verbalize disposal of needle in proper container

## PEDIATRIC ENDOTRACHEAL INTUBATION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

**NOTE: If candidate elects to ventilate initially with BVM attached to reservoir and oxygen, full credit must be awarded for steps denoted by “\*\*” so long as first ventilation is delivered within 30 seconds.**

Procedure	possible points	awarded points
Takes or verbalizes body substance isolation	1	
Elevates torso to allow neutral head position or mild head tilt	1	
Elevates tongue, inserts simple adjunct (oropharyngeal or nasopharyngeal)	1	
<b>NOTE: Examiner now informs candidate no gag reflex is present and patient accepts adjunct</b>		
<b>**Ventilates patient immediately with bag-valve-mask device unattached to O<sub>2</sub></b>	1	
<b>**Hyperventilates patient with room air</b>	1	
<b>NOTE: Examiner now informs candidate that ventilation is being performed without difficulty and that pulse oximetry indicates the patient's blood oxygen saturation is 85%</b>		
Attaches O <sub>2</sub> reservoir to bag-valve-mask device and connects to high flow oxygen regulator (12-15 L/minute)	1	
Ventilates patient at a rate of 20-30/minute and assures adequate chest expansion	1	
<b>Note: After 30 seconds, examiner auscultates and reports breath sounds are present, equal bilaterally and medical direction has ordered intubation. The examiner must now take over ventilation.</b>		
Directs assistant to pre-oxygenate the patient	1	
Identifies/selects proper equipment for intubation	1	
Checks laryngoscope to assure operational with bulb tight	1	
<b>NOTE: Examiner to remove OPA and move out of the way when candidate is prepared to intubate.</b>		
Place patient is neutral or sniffing position	1	
Inserts blade while displacing tongue	1	
Elevates mandible with laryngoscope	1	
Introduces ET tube and advances to proper depth	1	
Directs ventilation of patient	1	
Confirms proper placement by auscultation bilaterally over each lung and over epigastrium	1	
<b>NOTE: Examiner to ask, “If you had proper placement, what should you expect to hear?”</b>		
Secures ET tube (may be verbalized)	1	
<b>TOTAL</b>	<b>17</b>	

### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to imitate ventilations within 30 seconds after applying gloves or interrupts ventilations for greater than 30 seconds
- \_\_\_\_\_ Failure to pad under the torso to allow neutral head position or mild head tilt
- \_\_\_\_\_ Failure to voice and ultimately provide high oxygen concentrations (at least 85%)
- \_\_\_\_\_ Failure to ventilate the patient at a rate of at least 20/minute
- \_\_\_\_\_ Failure to provide adequate volumes per breath (maximum 2 errors/minute permissible)
- \_\_\_\_\_ Failure to pre-oxygenate patient prior to intubation
- \_\_\_\_\_ Failure to successfully intubate within 3 attempts
- \_\_\_\_\_ Use of gums as a fulcrum
- \_\_\_\_\_ Failure to assure proper tube placement by auscultation bilaterally and over the epigastrium
- \_\_\_\_\_ Inserts any adjunct in a manner dangerous to the patient
- \_\_\_\_\_ Attempts to use any equipment not appropriate for the pediatric patient

## **PEDIATRIC ENDOTRACHEAL INTUBATION**

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

**NOTE: If candidate elects to ventilate initially with BVM attached to reservoir and oxygen, full credit must be awarded for steps denoted by “\*\*” so long as first ventilation is delivered within 30 seconds.**

**You must factually document your rationale for checking any of the above critical items on the reverse side of this form.**

Candidate\_\_\_\_\_Examiner\_\_\_\_\_

Date\_\_\_\_\_Signature\_\_\_\_\_

### **OROGASTRIC TUBE INSERTION**

<b>Procedure</b>	<b>possible points</b>	<b>awarded points</b>
Takes or Verbalizes Body Substance Isolation	1	
Assembles the needed equipment	1	
Explains the procedure to the patient	1	
Positions the patient	1	
Examines the mouth for trauma or injury	1	
Mearsures the tube	1	
Marks the appropriate lenth for the insertion of the tube	1	
Lubricates the tube	1	
Inserts the tube into the mouth and gently advances	1	
Instructs the patient to swallow as the tube passes into the oropharynx	1	
Passes the tube to the rpredetermined point	1	

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

### OROGASTRIC TUBE INSERTION

Checks tube placement -aspirates gastric content -injects 20-30 mls of air into the tube while auscultating epigastium with a stethoscope	2	
Secures tube in place with tape	1	
<b>Total</b>	14	

#### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to properly measure the tube and/or mark the tube for proper length
- \_\_\_\_\_ Failure to lubricate the tube
- \_\_\_\_\_ Failure to confirm proper tube placement
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient

## NASOGASTRIC TUBE INSERTION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Assembles the needed equipment	1	
Explains the procedure to the patient	1	
Positions the patient	1	
Examines the nose for deformity or obstruction	1	
Mearsures the tube	1	
Marks the appropriate length for the insertion of the tube	1	
Lubricates the tube	1	
Inserts the tube into the nostril and gently advances	1	
Instructs the patient to swallow as the tube passes into the oropharynx	1	
Passes the tube to the predetermined point	1	
Checks tube placement -aspirates gastric content -injects 20-30 mls of air into the tube while auscultating epigastium with a stethoscope	2	

## NASOGASTRIC TUBE INSERTION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Secures tube in place with tape	1	
<b>Total</b>	14	

### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to properly measure the tube and/or mark the tube for proper length
- \_\_\_\_\_ Failure to lubricate the tube
- \_\_\_\_\_ Failure to confirm proper tube placement
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient

## VASCULAR ACCESS- IMPLANTED PORTS

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Selects appropriate needle	1	
Attaches extension set to saline filled syringe	1	
Attaches set to needle	1	
Flushes tubing and needle with saline	1	
Cuts or tears tape	1	
Cleanses area properly	1	
Palpates port, presses skin firmly around edge of port to hold skin tight	2	
Inserts needle	1	
Apirates blood, then flushes port with saline	2	
Closes clamp at the end of the flush	1	
Secures needle and tubing	1	
Reassess infusion site and patient	1	

## VASCULAR ACCESS- IMPLANTED PORTS

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

<b>Total</b>	<b>15</b>	
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**Critical criteria:**

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Any improper technique resulting in potential for air embolism or infection
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to aspirate blood before flush or infusing fluid
- \_\_\_\_\_ Failure to close clamp

## EXTERNAL JUGULAR VEIN CANNULATION

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Checks IV fluid for: Proper fluid Clarity	2	
Selects appropriate catheter	1	
Assembles proper administration set	1	
Connects IV tubing to IV bag and fills drip chamber	2	
Cuts or tears tape (any time prior to venipuncture)	1	
Positions patient in supine or trendelenberg position	1	
Palpates suitable vein	1	
Cleanses area properly	1	
Performs Venipuncture: Inserts stylette Notes or verbalizes blood return Occludes vein Removes stylette Connects IV tubing to catheter	5	
Runs IV for brief period to assure patent line	1	
Adjusts flow rate appropriately	1	
Secures catheter and tubing	1	
Disposes/verbalizes disposal of needle in proper container	1	
<b>Total</b>	<b>20</b>	

### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Any improper technique resulting in potential for catheter shear or air embolism
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to dispose/verbalize disposal of needle in proper container

## VASCULAR ACCESS- EXISTING CENTRAL LINES AND PICC LINES

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or Verbalizes Body Substance Isolation	1	
Selects and assembles appropriate equipment	1	
Disconnects or discontinues any pumps or medications	1	
Clamps the VAD closed	1	
Cuts or tears tape	1	
Cleanses the injection port using strict aseptic technique	1	
Inserts needle with saline filled syringe attached	1	
Aspirates blood, then flushes with saline	2	
Inserts needle with drug or connects IV tubing, and infuses meds or fluids.	2	
Secures tubing	1	
Reassess infusion site and patient	1	
Disposes or verbalizes disposal of needles improper container	1	
Total	14	

### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Contaminated equipment or site without correcting situation
- \_\_\_\_\_ Any improper technique resulting in potential for air embolism or infection
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient
- \_\_\_\_\_ Failure to aspirate blood before flush or infusing fluid
- \_\_\_\_\_ Failure to dispose or verbalize disposal of needles in proper container

## TRACHEOBRONCHIAL SUCTIONING

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

Procedure	possible points	awarded points
Takes or verbalizes body substance isolation	1	
Hyperventilates patient	1	
Confirms EKG monitoring	1	
Prepares equipment	1	
Applies sterile gloves	1	
Introduces catheter into ETT without touching outside of the tube	1	
Advances catheter as far as possible without engaging suction	1	
Engages intermittent suction while withdrawing catheter	1	
Reoxygenates patient	1	
<b>Total</b>	<b>9</b>	

### Critical criteria:

- \_\_\_\_\_ Failure to take or verbalize body substance isolation
- \_\_\_\_\_ Failure to hyperventilate patient before and after suction
- \_\_\_\_\_ Contaminated equipment without appropriately correcting situation
- \_\_\_\_\_ Failure to apply oxygen
- \_\_\_\_\_ Performs procedure in a manner dangerous to the patient

## TRACHEOBRONCHIAL SUCTIONING

Candidate \_\_\_\_\_ Examiner \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

\_\_\_\_\_ Failure to ventilate patient in a timely manner